SEQUENCE LISTING

<110> Tokyo Metropolitan Organization for Medical Research

<120> A method of evaluating drug sensitivity with analyses of mu opioid receptor gene

<130> PCT05-0031

<150> JP2004-106136
<151> 2004-03-31

<160> 98

<170> PatentIn version 3.2

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<212> DNA
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cagagtgaga ctctgtttta aaataaataa ataaataaaa t 101

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ctgaagtgat agactgtgat aaagataacc taaataagaa a 101

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actctattgt gaacttatga aaaaggtagt tgagcaatat g 101

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<220>
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<222> (51)..(51)
<223> n represents m repeats of ac

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tctaaaatgt gtccttcctc ctctcactct cttgatcagt t 101

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aaagtcatat atgcaacata aaagaatagg tgagctgcca g 101

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acaatttttt tcaaaaacga atagcattgt aaattcattt g 101

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cctgatatgt tggtgatgtc ataagcaaag cagtatttat g 101

<210> 23
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<212> DNA
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aatggcagta ttaacacctt atgacataat taaatgttgc t 101

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gttaggagat gctctgtatt tggtttaact gtgaactata t 101

<210> 26
<211> 101
<212> DNA
<213> Homo Sapiens

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gggaaagtaa ttgtttcaat tcaatgggaa aaaaaactca a 101

<210> 27
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<212> DNA
<213> Homo Sapiens

<220>
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<222> (51)..(51)
<223> n represents 11 to 15 repeats of gt

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ataggcatgt ctctttttgc atgtatggaa ttagagtaaa t 101

<210> 28
<211> 101
<212> DNA
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<400> 28
aaagaaaatg gttccgtgtg tgtgtgtgtg tgtgtgtgcg tgtgatatag rcatgtctct 60

ttttgcatgt atggaattag agtaaatgta ggtttaaaat t 101

<210> 29
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<212> DNA
<213> Homo Sapiens

<400> 29

tgatatatat cataacatat tatatattat attatgatat atatcataac rtgtattatc 60

atattatgat atatatcata acatatatat tatcatatta c 101

<210> 30
<211> 101
<212> DNA
<213> Homo Sapiens

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acatgtatta tcatattatg atatatatca taacatatat attatcatat yacgatatat 60

atcataacat attatatatt atcatattat gatatatatc a 101

<210> 31
<211> 101
<212> DNA
<213> Homo Sapiens

<220>
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<222> (51)..(51)
<223> n represents 2 to 17 repeats of attatcatattatgacatatatcataatatat

<400> 31
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tcacagagct catgcaagcc cagtcatccc cattgccagt g 101

<210> 32
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 32
aatatatatt atcatattat gacatatatc ataatatata ttatcatatt rtgacatata 60

tcataatata tatcaaaaag tcacagagct catgcaagcc c 101

<210> 33
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 33
taaaatgtac tctttatttc tcactggttt ctccatactg caggctcccc rcatattatt 60

ttctttttt aactcagctc agaatcctta tgccttttga a 101

<210> 34
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<213> Homo Sapiens

<400> 34
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gtcagcattg attaaaagaa tcaaatacct tgtagttatc t 101

<210> 35
<211> 101
<212> DNA
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<400> 35
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ttaaaagaat caaatacctt gtagttatct atgatgatac a 101

<210> 36
<211> 101
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<213> Homo Sapiens

<400> 36
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tttagtgttt ccttctgatg aagtttcatg tttgcttgta a 101

<210> 37
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 37
aacaaaagcc aaaataagtt ttttagtgtt tccttctgat gaagtttcat rtttgcttgt 60

aataatctcc atttctcaaa tattatgttc cataatagac a 101

<210> 38
<211> 101
<212> DNA
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<400> 38
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tcaggctgtt tctcagcaat cattgtttct gcttaatacc a 101

<210> 39
<211> 101
<212> DNA
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<400> 39
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ctatcttttt ccacaaatgt catgtgtgtg aacaagtttc t 101

<210> 40
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 40
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aacgtaaatt tgctagaacc accttccaat tccaaggcaa g 101

<210> 41
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 41
taataaataa ggtcattgtc aacgtttttc attcaaaacc atttttttaac rtaaatttgc 60

tagaaccacc ttccaattcc aaggcaagga gagacattac a 101

<210> 42
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 42
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gctttttttct tccttctaat ttcacccttg cctaaggatg a 101

<210> 43
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 43
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ccagaaatgc agactgtagc tatggggcgg aagctttgtt t 101

<210> 44
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<212> DNA
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gggcggaagc tttgtttctt tacctgatca cttgctgtgg a 101

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<212> DNA

<213> Homo Sapiens

<400> 46
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tggtgagtct ctaggaccct gctatcctat cccaacaggg c 101

<210> 47
<211> 101
<212> DNA
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<400> 47
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ctaatgtggc catttgaaac acttctcaac attgaaatag a 101

<210> 48
<211> 101
<212> DNA
<213> Homo Sapiens

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ccttcaataa tatgactgtg ttgataaaac tgataaccat t 101

<210> 49
<211> 101
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aactgataac cattcacttg caaatgttat tattgaataa gtctcactta kctcatttaa 60

tattacccaa aagatgctaa caaattctgt ttcccacatt g 101

<210> 50
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cacacacaca agttgtgttt gtacaattct tgaggtcaat c 101

<210> 51
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 51
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caaaagaggg ttcttggacc tcatgcaaga aagaattcag g 101

<210> 52
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<212> DNA
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<222> (51)..(51)
<223> n represents m repeats of a

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ttttcctgg gagcccacta atcacacagt gaacaaaagg c 101

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<211> 101
<212> DNA
<213> Homo Sapiens

<400> 53
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ggttggctat ttttgtggtt atttcttgat tatatgctaa a 101

<210> 54
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 54
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agattttaag ggaggaaaaa cagattgaca gtggactaaa g 101

<210> 55
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 55
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tattaaccat tctaccattg gaattatttg ccaacacacc t 101

<210> 56

<211> 101
<212> DNA
<213> Homo Sapiens

<400> 56
gacagtgggg aaaattcatc ttcatattgt cacatgcact gtaataggaa kgtttagcaa 60

aaaaaacctt ccagagaaag gtggtttcca atattaccta c 101

<210> 57
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 57
gcaaaaaaaa ccttccagag aaaggtggtt tccaatatta cctacaactt sctttgcaat 60

ttgatttttg aaaggaccta aaagttgaaa acaggctatc a 101

<210> 58
<211> 101
<212> DNA
<213> Homo Sapiens

<220>
<221> misc_feature
<222> (51)..(51)
<223> n represents a sequence having 322bp or deletion

<400> 58
taaatgtttt atttaagttt gcattgccca ctaaggctag acatttttt ngataaattc 60

acagggttac aaaataccaa acggaaatga gataagtggt a 101

<210> 59
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 59
ggcccggcta gacatttttt gataaattca cagggttaca aaataccaaa yggaaatgag 60

ataagtggta taaaccacag aagatatagg agaagagaaa a 101

<210> 60
<211> 101
<212> DNA
<213> Homo Sapiens

<220>
<221> misc_feature
<222> (51)..(51)
<223> n represents a or deletion

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tgagataagt ggtataaacc acagaagata taggagaaga gaaaaaaaaa ngaggaaata 60

aagaagacaa ctcttttcct aagagtctgg gtaaaattga a 101

<210> 61
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 61
ggaaataaag aagacaactc ttttcctaag agtctgggta aaattgaaca yagccatatt 60

cactgaacaa catgagtgag cttcattaat ttaagcacag c 101

<210> 62
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 62
ccatattcac tgaacaacat gagtgagctt cattaattta agcacagcaa ractgcttta 60

attaacaaga ccagagagaa gggagaggag actacatttg t 101

<210> 63
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 63
gtgacatatt agacttctta ctttccccaa ataaaaaagt gcctgctggg ygcggtggct 60

cacgcctgta attccagcac tttgggaggc cgaggcgggc g 101

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<211> 101
<212> DNA
<213> Homo Sapiens

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ggtcaggaga tcaagaccat cctggccaat atggtaaaac c 101

<210> 65
<211> 101
<212> DNA
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ggcaggagaa ttgcttgaac tggggaggcg gaagttgcag t 101

<210> 66
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<212> DNA
<213> Homo Sapiens

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<223> n represents m repeats of a

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gccatgctat gtgcccaaag tttccttcac acaacacagc c 101

<210> 67
<211> 101
<212> DNA
<213> Homo Sapiens

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attcttgttc tcctgcatct ctgcaggtgg caaacctgat t 101

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<211> 101
<212> DNA

<213> Homo Sapiens

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aattctgact acgggattcc tttttcactt ttataatgaa c 101

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<211> 101
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<400> 69
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taataacagc tgaaggacca tttatttgaa gcaatgttca c 101

<210> 70
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 70
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aaaattccag tgaagtctaa gaactgggac agtccgttga g 101

<210> 71
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 71
ttgccccatg aatgtgcaca tgcatattaa aatatgggca cctcttttaa ktctttttt 60

tctcataata agtttgaaac tcacagtagg aaattgagag a 101

<210> 72
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 72
tggttgttct cgaactagct ggtttcccag agacagctgg agactgagca mataaagaca 60

tcattgagga aaaaggctac cttgtacctc atggagagct g 101

<210> 73
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 73
catggagagc tgaaggtctg ataaatggga actgccaggt aatagctatg mtatttctga 60

cataaattta aaaactagta ttgtttcttc tagctctgtt t 101

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<223> n represents m repeats of a

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agttttaact tatatctgtg ttttattaat attttgaagt a 101

<210> 75
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 75
ataagtcaat ttggctctat tatgtcaaaa gagaatagga gttttaactt wtatctgtgt 60

tttattaata ttttgaagta taggaacctc atggtgtagc a 101

<210> 76
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 76
gtatgtgaca ggggctgcat gcaccggtgg tctgggagga acagaacagg rcagggagtt 60

cttctataca atagagaaca gaacaatgtt cttctataca a 101

<210> 77
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 77
aggcgggccc aggcctggtt tcgggcctgg cgctgagctg cctgtatttg rttttacttc 60

cttgttgttt ttactgaata tgaaacaata taaaacaatg t 101

<210> 78

<211> 101
<212> DNA
<213> Homo Sapiens

<400> 78
tggttttact tccttgttgt ttttactgaa tatgaaacaa tataaaacaa kgtgagaggg 60

tctttctctc ctctcaatgt caacatcata tatgattgga g 101

<210> 79
<211> 101
<212> DNA
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<400> 79
gctggtttgg ttgaagtttc tcttatcagt caggcacttt gcattttaag ygtactttac 60

caccgacacc ctccccccccc agcacacaca cacacacaca c 101

<210> 80
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<212> DNA
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<400> 80
tcaggcactt tgcattttaa gcgtacttta ccaccgacac cctccccccc magcacacac 60

acacacacac acacacacac acacacaaca tagtgaaatg g 101

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<222> (51)..(51)
<223> n represents m repeats of ca

<400> 81
ggcactttgc attttaagcg tactttacca ccgacaccct ccccccccag nacatagtga 60

aatggacccg tgggaattat atgatagttg taatcaaaat a 101

<210> 82
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 82
gcactttgca ttttaagcgt actttaccac cgacaccctc ccccccagc rcacacacac 60

acacacacac acacacacac acaacatagt gaaatggacc c 101

<210> 83
<211> 101
<212> DNA
<213> Homo Sapiens

<220>
<221> misc_feature
<222> (51)..(51)
<223> n represents tctc or deletion

<400> 83
tctggaagta aacttaaaat gaaaattaga atttgctttc aattatacta ntatctaaat 60

cttaatttga aatttaaatt attttgtctc tacccaaacc a 101

<210> 84
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 84
tatactatct ctatctaaat cttaatttga aatttaaatt attttgtctc yacccaaacc 60

atcgatttca tggaaatgtt taaattttct ttttttttt t 101

<210> 85
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 85
cttaatttga aatttaaatt attttgtctc tacccaaacc atcgatttca yggaaatgtt 60

taaattttct ttttttttt ttttttgat ggagtctcac t 101

<210> 86
<211> 101
<212> DNA
<213> Homo Sapiens

<220>
<221> misc_feature
<222> (51)..(51)
<223> n represents insertion of tttc or none

<400> 86
tattttgtct ctacccaaac catcgatttc atggaaatgt ttaaattttc nttttttttt 60

ttttttttg atggagtctc actctgtcgc ccaggctgga g 101

<210> 87
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 87
aggctggagt gcagtggctc aatcttggct cactgcaacc tctgcctccc rggttcacac 60

cattctcctg cttcagcctc ctgagtagct gggactacag g 101

<210> 88
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 88
attctcctgc ttcagcctcc tgagtagctg ggactacagg tgcccgccac macacctggc 60

taatttttg tatttttagt agagatgggg tttcaccacg t 101

<210> 89
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 89
acaacacctg gctaattttt tgtattttta gtagagatgg ggtttcacca ygttagccag 60

gatggtttcg atctcctgac ctcgtgatct gcctgcctcg g 101

<210> 90
<211> 101
<212> DNA

<213> Homo Sapiens

<400> 90
atccccatca atttaatagg aattaagtta gaaatactag tatatatatt ycctttatat 60

actaattgta tatccatata aaagcattag taccattata t 101

<210> 91
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 91
agtatatata ttccctttat atactaattg tatatccata taaaagcatt mgtaccatta 60

tatgaaagta tatatgccat tccataaaaa tatatctacc a 101

<210> 92
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 92
ggaattaaag aaaaaatgcc tgttttcact aagtcatcct tcccctggca rtacatttcc 60

tgaactttta catacttaaa tagccagtta tgaaaatgta a 101

<210> 93
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 93
acattttaaa cagactcctg cccacaaact atttttcctc tccaggaata rgaatggcaa 60

ctgaattgtt ccttctttat tctatagctt taagtcaaac c 101

<210> 94
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 94
gaatggcaac tgaattgttc cttctttatt ctatagcttt aagtcaaacc yaacataagc 60

aatcaaccct tccacccatt gtcctctttc tagctgctta t 101

<210> 95
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 95
ttgggggtga ataaaagat agacccctgc tgctctgcac gtagattcag yttgtatgcc 60

agggtgacat tttaatttac agtagtccag acacctaaac a 101

<210> 96
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 96
ggggtgaaat aaaagataga cccctgctgc tctgcacgta gattcagttt statgccagg 60

gtgacatttt aatttacagt agtccagaca cctaaacagg a 101

<210> 97
<211> 101

<212> DNA
<213> Homo Sapiens

<220>
<221> misc_feature
<222> (51)..(51)
<223> n represents m repeats of t

<400> 97
caacattgtt ttccttttga tggtctggga gtttttctat aagtttttgg nctcttcatt 60

agtgtgttag ttccatcatc atgtctgttt actattgaaa a 101

<210> 98
<211> 101
<212> DNA
<213> Homo Sapiens

<400> 98
ttgaaaatat aggcagctaa atccactgat agtctacttt ttttaaaaat ktgttcttga 60

tgttttgagc aggaaaatta tttgcaagaa acaaagagtt t 101